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JUL 18 2007

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re United States Patent Application of:	)	Docket No.:	4276-109
Applicants:	)	CHUA, Soo Jin, et al.	)
Application No.:	)	10/594,789	)
Date Filed:	)	September 29, 2006	)
Title:	)	A SENSOR FOR	)
	)	MEASURING GAS	)
	)	PERMEABILITY OF A TEST	)
	)	MATERIAL	)

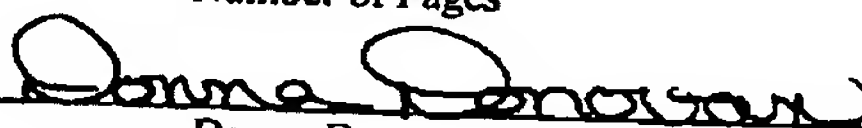
Customer No.: 23448

**FACSIMILE TRANSMISSION CERTIFICATE**  
Fax No. (571) 273-8300

I hereby certify that this document is being filed in the United States Patent and Trademark Office, via facsimile transmission addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, and transmitted on the date specified below, to United States Patent and Trademark Office facsimile transmission number (571) 273-8300.

10

Number of Pages

  
Donna Donovan

July 18, 2007

Date

**RESPONSE TO JULY 11, 2007 NOTIFICATION OF MISSING REQUIREMENTS IN  
U.S. PATENT APPLICATION NO. 10/594,789**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

4276-109

In response to the July 11, 2007 Notification of Missing Requirements in above-identified U.S. patent application, enclosed and submitted herewith are copies of the following documents:

- 1) Submission Document dated July 6, 2007, faxed to the USPTO on July 6, 2007;
- 2) Declaration and Power of Attorney for Patent Application; and
- 3) Auto-Reply Facsimile Transmission from USPTO acknowledging receipt of 6 pages on July 6, 2007.

The surcharge fee of \$130.00 was paid at the time of filing the Submission of Declaration and Power of Attorney Document on July 6, 2007.

Respectfully submitted,



Steven J. Hultquist  
Reg. No. 28,021  
Attorney for Applicants

INTELLECTUAL PROPERTY/  
TECHNOLOGY LAW  
Phone: (919) 419-9350  
Fax: (919) 419-9354  
Attorney File No.: 4276-109

**Enclosures:**

Submission Document (2 pgs.)  
Declaration and Power of Attorney [3 pgs.]  
Auto-Reply Facsimile Transmission Sheet [1 pg.]  
Return Copy of Notification of Missing Requirements [2 pgs.]

The USPTO is hereby authorized to charge any deficiency or credit any overpayment of fees properly payable for this document to Deposit Account No. 08-3284

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## Auto-Reply Facsimile Transmission



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Page  
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<p>0184100000 IPTL 10:48:21 a.m. 07-08-2007 1.8</p>	
<p><b>IN THE UNITED STATES PATENT AND TRADEMARK OFFICE</b></p>	
<p>In re United States Patent Application of:</p>	<p>Docket No.: 4275-189</p>
<p>Applicant: CHUA, See Jin, et al.</p>	<p>Conf. No.: 7149</p>
<p>Application No.: 10/594,789</p>	<p>Art Unit: 1751</p>
<p>Date Filed: September 29, 2006</p>	<p>Customer No.: 23448</p>
<p>Title: A SENSOR FOR MEASURING GAS PERMEABILITY OF A TEST MATERIAL</p>	
<p><b>FACSIMILE TRANSMISSION CERTIFICATE</b> Fax No. (571) 273-8300</p>	
<p>I hereby certify that this document is being filed in the United States Patent and Trademark Office, via facsimile transmission, addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, transmitted on the date specified below, in United States Patent and Trademark Office facsimile transmission number (571) 273-8300.</p>	
<p>6 Pages Number of Pages</p>	
<p><i>[Signature]</i> Date: July 6, 2007</p>	
<p><b>SUBMISSION OF DECLARATION AND POWER OF ATTORNEY DOCUMENT IN U.S. PATENT APPLICATION NO. 10/594,789</b></p>	
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>In re United States Patent Application of:</b>	)	<b>Docket No.:</b>	<b>4276-109</b>
<b>Applicants:</b>	)	<b>Conf. No.:</b>	<b>7149</b>
<b>Application No.:</b>	)	<b>Art Unit:</b>	<b>1751</b>
<b>Date Filed:</b>	)	<b>Customer No.:</b>	<b>23448</b>
<b>Title:</b>	)		
<b>A SENSOR FOR</b>	)		
<b>MEASURING GAS</b>	)		
<b>PERMEABILITY OF A TEST</b>	)		
<b>MATERIAL</b>	)		

# FACSIMILE TRANSMISSION CERTIFICATE

**Fax No. (571) 273-8300**

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**6 Pages**

Number of Pages

Tracy Langston

July 6, 2007

Date \_\_\_\_\_

**SUBMISSION OF DECLARATION AND POWER OF ATTORNEY DOCUMENT IN  
U.S. PATENT APPLICATION NO. 10/594,789**

**Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450**

4276-109

Sir:

Enclosed and submitted herewith is an executed Declaration and Power of Attorney document for the above-identified U.S. patent application, along with a Credit Card Payment Form authorizing the amount of \$130.00 to be charged for payment of the fee for filing the Declaration after the application filing date.

Respectfully submitted,



---

Steven J. Hultquist  
Reg. No. 28,021  
Attorney for Applicants

INTELLECTUAL PROPERTY/  
TECHNOLOGY LAW  
Phone: (919) 419-9350  
Fax: (919) 419-9354  
Attorney File No.: 4276-109

**Enclosures:**

**Executed Declaration and Power of Attorney Document [3 pgs.]**  
**Credit Card Payment Form PTO-2038 [1 pg.]**

The USPTO is hereby authorized to charge any deficiency or credit any overpayment of fees properly payable for this document to Deposit Account No. 08-3284

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Page 1 of 2

JUL 18 2007



**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.

10/594,789

FIRST NAMED APPLICANT

Soo Jin Chua

ATTY. DOCKET NO.

4276-109

INTERNATIONAL APPLICATION NO.

PCT/SG04/00075

I.A. FILING DATE

03/31/2004

PRIORITY DATE

23448

INTELLECTUAL PROPERTY / TECHNOLOGY LAW  
 PO BOX 14329  
 RESEARCH TRIANGLE PARK, NC 27709

CONFIRMATION NO. 7149

371 FORMALITIES LETTER

\*OC000000024759738\*

Date Mailed: 07/11/2007

*Response Due 9/11/07*  
*cm*

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 09/29/2006
- Copy of the International Search Report filed on 09/29/2006
- Copy of IPE Report filed on 09/29/2006
- Preliminary Amendments filed on 09/29/2006
- Information Disclosure Statements filed on 09/29/2006
- Request for Immediate Examination filed on 09/29/2006
- U.S. Basic National Fees filed on 09/29/2006
- Specification filed on 09/29/2006
- Claims filed on 09/29/2006
- Abstracts filed on 09/29/2006
- Drawings filed on 09/29/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.htm>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

PAULETTE R KIDWELL

Telephone: (703) 308-9140 EXT 216

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/594,789	PCT/SG04/00075	4276-109

FORM PCT/DO/EO/905 (371 Formalities Notice)